

FIGURE 2
PROPOSED HORIZONTAL PLANE
ANTENNA PATTERN

prepared December 1991 for
 Shelley F. Davis
 Westerville, Ohio

Ch 280A 6.0 kW - DA (H&V) 100 m

Lahn, Sullivan & Corvett, Inc.
 Consulting Engineers - Fairfax, VA

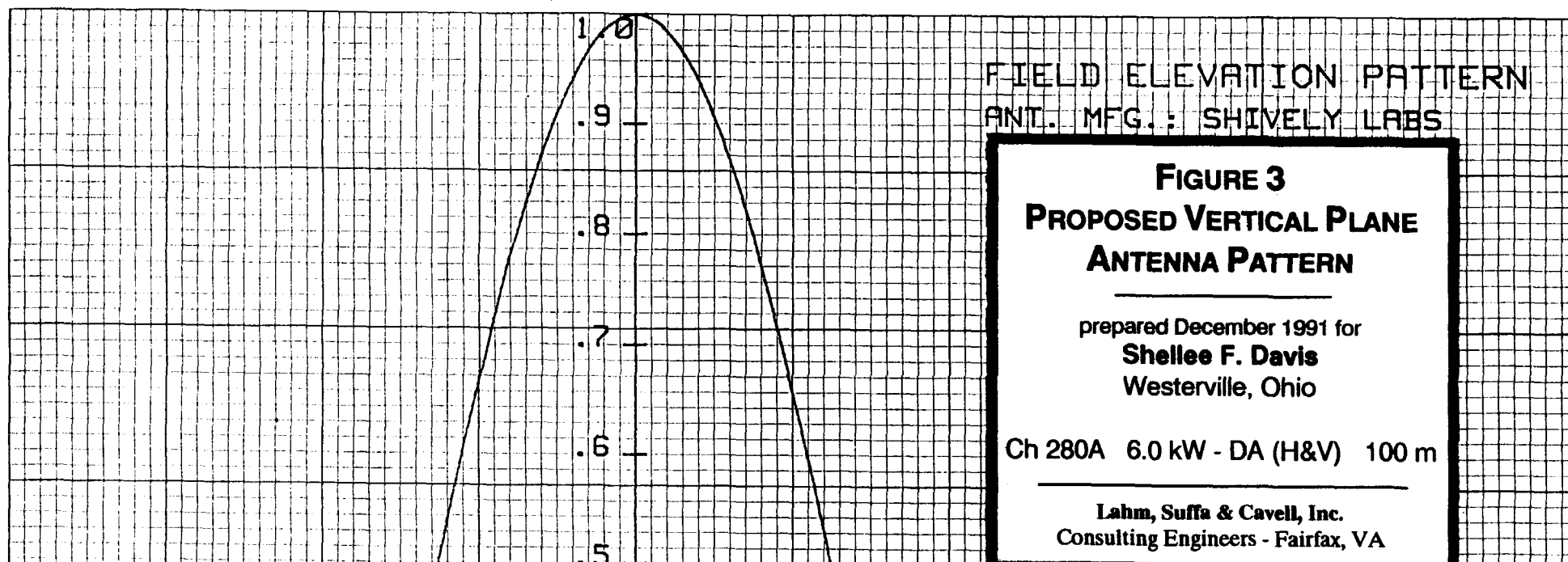


Table 1

Directional Pattern Data

prepared for

Shellee F. Davis

Westerville, Ohio

Ch 280A 6.0 KW-DA (H&V) 100 m

<u>Azimuth</u> <u>(deg true)</u>	<u>Power</u> <u>(dBK)</u>	<u>Relative</u> <u>Field</u>
* 0-30	4.77	0.707
35	5.77	0.793
40	6.77	0.890
45	7.77	0.999
** 50-290	7.78	1.000
295	6.78	0.891
300	5.78	0.794
305	4.78	0.708
* 310-360	4.77	0.707

* Pattern Minima

** Pattern Maxima

Table 2

Proposed Coverage Contours

prepared for

Shellee F. Davis

Westerville, Ohio

Ch 280A 6.0 KW-DA (H&V) 100 M

<u>Azimuth</u> (deg. T)	Effective Antenna <u>Height</u> (m)	Effective Radiated <u>Power</u> (dBk)	<u>Contour Distances</u>	
			<u>70 dBu</u> (km)	<u>60 dBu</u> (km)
0	87.3	4.77	12.6	22.7
10	81.7	4.77	12.2	22.0
20	75.4	4.77	11.8	21.1
30	67.8	4.77	11.2	20.1
35	65.0	5.77	11.6	20.7
40	60.6	6.77	12.0	21.4
45	58.3	7.77	12.4	22.2
50	59.8	7.78	12.5	22.4
60	59.4	7.78	12.5	22.4
70	60.4	7.78	12.6	22.5
80	63.3	7.78	12.9	23.0
90	68.0	7.78	13.2	23.7
100	68.9	7.78	13.3	23.8
110	72.0	7.78	13.6	24.3
120	78.2	7.78	14.1	25.2
130	81.4	7.78	14.4	25.7
135	81.8	7.78	14.5	25.8
140	81.5	7.78	14.4	25.7
150	83.7	7.78	14.6	26.0
160	88.6	7.78	15.1	26.7
170	100	7.78	16.1	28.3
180	108	7.78	16.9	29.3
190	115	7.78	17.5	30.1
200	135	7.78	19.0	32.4
210	140	7.78	19.3	32.9
220	137	7.78	19.1	32.6
225	136	7.78	19.1	32.5
230	135	7.78	19.0	32.4
240	131	7.78	18.7	32.0
250	131	7.78	18.7	31.9
260	132	7.78	18.8	32.1

Table 2
(con't)

<u>Azimuth</u> (deg. T)	Effective Antenna <u>Height</u> (m)	Effective Radiated <u>Power</u> (dBk)	<u>Contour Distances</u>	
			<u>60 dBu</u> (km)	<u>70 dBu</u> (km)
270	135	7.78	19.0	32.4
280	135	7.78	19.0	32.4
290	134	7.78	18.9	32.2
295	132	6.78	17.7	30.3
300	130	5.78	16.5	28.6
305	130	4.78	15.4	27.2
310	129	4.77	15.3	27.1
315	128	4.77	15.3	27.0
320	127	4.77	15.2	26.9
330	121	4.77	14.8	26.4
340	110	4.77	14.1	25.3
350	104	4.77	13.7	24.7

Statement B

ALLOCATION CONSIDERATIONS

prepared for
Shellee F. Davis
Westerville, Ohio

Ch 280A (103.9 MHz) 6.0 KW-DA (H&V) 100 m

The Westerville, Ohio Class A allocation was in existence prior to the revision of the domestic rules wherein 6 kW operation would be permitted for Class A assignments. This allotment was notified to Canada (as a B1 facility) and ultimately accepted.

The site proposed for use by Shellee F. Davis (Davis) meets the separation requirements of Section 73.207 of the FCC Rules with respect to all stations except WTTF-FM (Channel 279B), Tiffin, Ohio. The reference point for the Westerville allotment presently contained in the FCC's FM Engineering Database (the former WBBY-FM site) was fully spaced to WTTF-FM as a 3 kilowatt facility, but did not meet the 6 kilowatt spacing requirements of Section 73.207 with respect to WTTF-FM. Because this allotment was proposed prior to October 2, 1989, it is grandfathered as a 3 kW facility under Section 73.213 of the FCC Rules. The specified Davis site (the former WBBY-FM site) meets the separation requirements of Section 73.213 with respect to WTTF-FM. (The appropriateness of the treatment of this proposal in this manner was confirmed through informal discussions held with the FCC staff.)

Accordingly, a directional antenna is being propose is being specified for this application. It will be mounted at 100 meters above average terrain. An ERP of 6 kW is specified in all directions except those toward any point on the WTTF-FM 54 dBu contour, where the effective radiated power is limited to 3 kW. Specifically, for the proposed station, the directional antenna envelope pattern of Figure 2 was employed, using the bearings and radiation values shown in Table 1 of this application. All contours were computed using NGDC 30 second terrain data at 10° azimuths over the spans of interest, except where noted at finer (5°) intervals. All contours were computed using the F(50,50) propagation curves; Table 2 contains pertinent elevation and contour data.

Statement C

INTERFERENCE CONSIDERATIONS

prepared for
Shellee F. Davis
Westerville, Ohio

Ch 280A (103.9 MHz) 6.0 KW-DA (H&V) 100 m

Shellee F. Davis (Davis) proposes to construct a new FM station to serve Westerville, Ohio. The proposed facility would have maximum effective radiated power of 6.0 kilowatts at 100 meters above average terrain (AAT).

The site proposed for use by Davis is a location formerly used by the licensee of WBBY-FM, the facility previously authorized to use this allotment. There are no other broadcast facilities within 10 kilometers of the proposed facility. There are no known non-broadcast radio stations located within 60 meters of this site. It is believed that there are no established commercial or government receiving stations or cable head-end facilities located within the blanketing contour. The site is located in a rural area so most of the area within the expected blanketing contour is believed to be sparsely inhabited.

No intermodulation or blanketing interference is expected with respect to facilities or radio receivers currently in operation.

Although unlikely, Davis recognizes that some interference may occur as a result of this proposed operation. In the event that such interference occurs, Davis will take corrective measures to cure such interference to the extent required by the FCC Rules. Remedial measures may include, but are not limited to, the installation of filters or traps on transmitting or receiving equipment as determined by the nature of the interference.

4464 IV SW
(KILBOURNE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNBURY QUADRANGLE
OHIO
7.5 MINUTE SERIES (TOPOGRAPHIC)

82° 52' 30" 40° 15' 00" 343000m E. R. 16 W. 50'

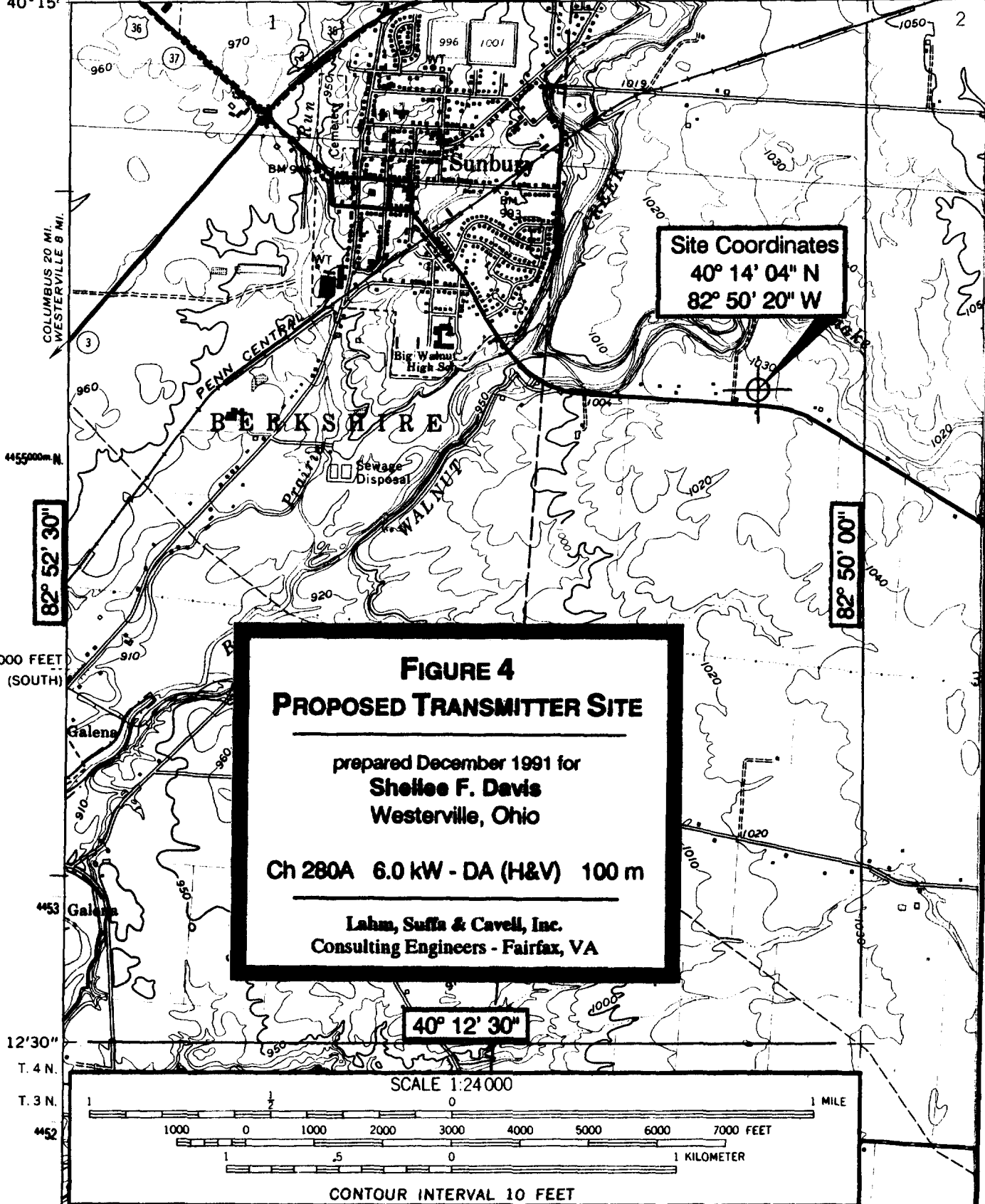


FIGURE 4
PROPOSED TRANSMITTER SITE

prepared December 1991 for
Shelley F. Davis
Westerville, Ohio

Ch 280A 6.0 kW - DA (H&V) 100 m

Lahn, Sutta & Cavell, Inc.
Consulting Engineers - Fairfax, VA

Base map derived
from U.S.G.S.
"State of Ohio"
1:500,000
Scale Map

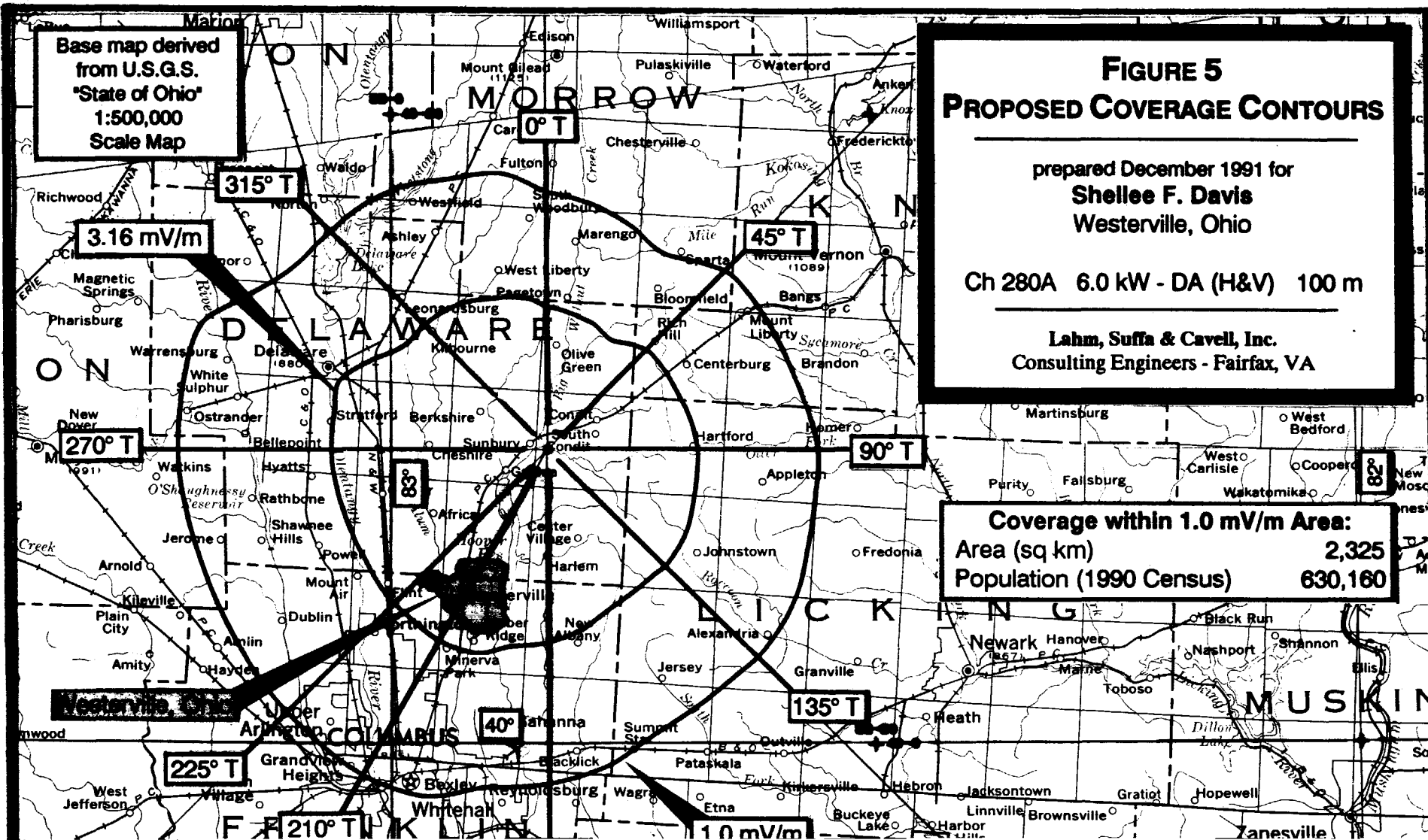
FIGURE 5 PROPOSED COVERAGE CONTOURS

prepared December 1991 for
Shellee F. Davis
Westerville, Ohio

Ch 280A 6.0 kW - DA (H&V) 100 m

Lahm, Sutta & Cavell, Inc.
Consulting Engineers - Fairfax, VA

Coverage within 1.0 mV/m Area:
Area (sq km) 2,325
Population (1990 Census) 630,160



Statement D

ENVIRONMENTAL CONSIDERATIONS

prepared for
Shellee F. Davis
Westerville, Ohio

Ch 280A (103.9 MHz) 6.0 KW-DA (H&V) 100 m

The instant proposal is not believed to have a significant environmental impact as defined under Section 1.1306 of the Commission's Rules. Consequently, preparation of an Environmental Assessment is not required.

Nature of The Proposal

This application proposes to locate a new FM station at the existing site formerly used by the licensee of WBBY-FM for this allotment. The antenna will be mounted on the existing tower, which according to Note 1, Section 1.1306(b)(3) of the Rules may be categorically excluded from environmental processing.

Human Exposure to Radiofrequency Radiation

The proposed transmitting system will comply with the guidelines for human exposure to RF radiation contained in ANSI guideline C95.1-1982. The FCC has adopted the ANSI guideline as the maximum allowable exposure for humans in the vicinity of transmitting antennas.

The proposed FM antenna will be mounted 101.2 meters above ground level. No other RF emitters, other than perhaps a low power (1 watt) RPU system, is contemplated for this tower. On a worst case basis, the proposed FM station would cause RF levels at the base of the tower to be 3.9 percent of the applicable ANSI guideline for continuous human exposure.

In a worst-case analysis, without considering antenna elevation patterns, the facility proposed for this site will comply with the ANSI guideline. This site thus complies with Section 1.1306(b) the FCC Rules concerning human exposure to RF energy. Shellee F.

Statement D (con't)

Davis (Davis) will ensure that appropriate warning signs are posted on the tower and that access to the tower base will be restricted.

With respect to worker safety, the RF energy levels on the tower are expected to be below the ANSI guideline, except when the proposed FM station is operating. Davis will institute proactive policies to ensure the safety of workers on the tower. Davis will take any steps required to protect the safety of tower workers in areas where the guideline may be exceeded as a result of its operation, including but not limited to, time limitations on workers, power reduction or, if necessary, discontinuance of transmissions. This policy will not preclude the use of measurements to establish safe working areas or time limitations on workers.

Conclusion

The instant proposal may be categorically excluded from environmental processing under Section 1.1306 of the Rules.

Statement E

EMERGENCY POWER

prepared for
Shellee F. Davis
Westerville, Ohio

Ch 280A (103.9 MHz) 6.0 KW-DA (H&V) 100 m

Shellee F. Davis proposes to install emergency power generating equipment at both the studio and transmitter to assure continued operation in the event of loss of commercial power.

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☒ Yes ☐ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 896-A).

Attached

SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.3680?

☒ Yes ☐ No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

☒ Yes ☐ No

If No, attach as an Exhibit, a full explanation.

Exhibit No.
N/A

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of Person Contacted Carl Fry, Agent

Telephone No. (include area code) (614) 228-2300

Person contacted: (check one box below)

☐ Owner

☒ Owner's Agent

☐ Other (specify)

Carl Fry, Agent

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

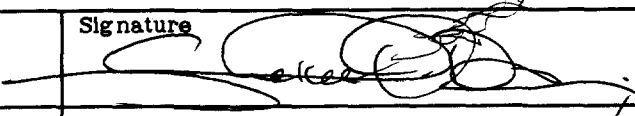
The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.85, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

SECTION VII - CERTIFICATION (Page 5)

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant SHELLEE F. DAVIS	Signature 
Date 12-28-91	Title Individual Applicant / General Manager

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT
AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 71 hours 45 minutes to 301 hours 30 minutes with an average of 118 hours 28 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552(a)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.